

INTERNATIONAL SEARCH REPORT

Internu

Application No

PCT/IB2004/051339

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B20/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2004/023474 A (MATSUSHITA ELECTRIC IND CO LTD) 18 March 2004 (2004-03-18) abstract page 1, line 4 - page 3, line 1 page 117, line 10 - page 162, line 10 figures 52-64	1-13
A	EP 0 851 418 A (TOKYO SHIBAURA ELECTRIC CO) 1 July 1998 (1998-07-01) abstract column 1, line 3 - line 22 column 8, line 11 - column 12, line 25 column 14, line 28 - column 16, line 54 figures 1-12	1,11-13

-/-



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

18 October 2004

Date of mailing of the international search report

16/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Sucher, R

INTERNATIONAL SEARCH REPORT

Intern

Application No

PCT/IB2004/051339

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 187 390 A (SONY CORP) 13 March 2002 (2002-03-13) cited in the application the whole document -----	1,11-13
P,A	EP 1 388 857 A (PIONEER CORP) 11 February 2004 (2004-02-11) abstract paragraphs '0001! - '0007! paragraphs '0049! - '0108! figures 1-6 -----	1,11-13

INTERNATIONAL SEARCH REPORT

Inter

I Application No

PCT/IB2004/051339

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004023474	A	18-03-2004	EP 1459317 A2	22-09-2004
			WO 2004023474 A2	18-03-2004
			JP 2004118830 A	15-04-2004
			US 2004076404 A1	22-04-2004
EP 0851418	A	01-07-1998	CN 1186298 A	01-07-1998
			EP 0851418 A2	01-07-1998
			JP 11110914 A	23-04-1999
			KR 264313 B1	16-08-2000
			TW 412734 B	21-11-2000
			US 6141483 A	31-10-2000
EP 1187390	A	13-03-2002	JP 2001352321 A	21-12-2001
			AU 4470901 A	23-10-2001
			EP 1187390 A1	13-03-2002
			NO 20015908 A	05-02-2002
			CA 2372510 A1	18-10-2001
			CN 1383644 T	04-12-2002
			CN 1383646 T	04-12-2002
			EP 1185021 A1	06-03-2002
			WO 0178298 A1	18-10-2001
			WO 0178299 A1	18-10-2001
			JP 2002077131 A	15-03-2002
			TW 518871 B	21-01-2003
			US 2002136411 A1	26-09-2002
			US 2003076958 A1	24-04-2003
EP 1388857	A	11-02-2004	EP 1388857 A1	11-02-2004
			JP 2004127486 A	22-04-2004
			US 2004067045 A1	08-04-2004